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FACSIMILE COVER SHEET

TO: Examiner Jason M. Perilla, Group 2611 FAX NO.: 571-273-8300FROM: C. Frederick Koenig III; Registration No. 29, 662

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

De et al

Application No.: 10/079,334**Confirmation No.:** 1399**Filed:** February 20, 2002**For:** FAST JOINT DETECTION USER
EQUIPMENT**Group:** 2611**Examiner:** Jason M. Perilla**Our File:** I-2-0188.2US**Date:** January 28, 2008**COMMENTS:** Please see attached Petition and Statement in Support of Petition.**NUMBER OF PAGES INCLUDING THIS COVER SHEET:** 18**NOTIFY (215) 568-6400 IF TRANSMISSION IS NOT COMPLETE OR LEGIBLE.**I hereby certify that this paper is being facsimile transmitted to the United States
Patent and Trademark Office on January 28, 2008.A handwritten signature in cursive script, appearing to read 'Lnette H. Elliott'.
Lnette H. ElliottJanuary 28, 2008
Date*Patents**Trademarks**Copyrights**Trade Secrets**Litigation**Licensing*

JAN 28 2008


PTO/SB/21 (09-04)

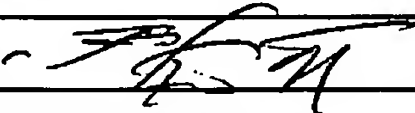
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/079,334	
	Filing Date	February 20, 2002	
	First Named Inventor	Parthapratim De	
	Art Unit	2611	
	Examiner Name	Jason M. Perilla	
Total Number of Pages in This Submission	17	Attorney Docket Number	I-2-0188.2US

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Statement in Support of Petition for Withdrawal of Abandonment Under 37 CFR Section 1.181 Due to Non-Receipt of Notice of Allowance and Exhibits Thereto
Remarks		
OFFICIAL FACSIMILE X PAGES SENT VIA FACSIMILE TO 571-273-8300. PLEASE IMMEDIATELY DELIVER TO EXAMINER Jason M. Perilla, GROUP ART UNIT 2611.		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	VOLPE AND KOENIG, P.C.	
Signature		
Printed name	C. FREDERICK KOENIG III	
Date	January 28, 2008	Reg. No. 29,662

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being sent Via Facsimile (571-273-8300) addressed to: Examiner Jason M. Perilla, Group Art Unit 2611, on the date shown below:		
Signature		
Typed or printed name	C. FREDERICK KOENIG III	Date January 28, 2008

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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PTO/SB/17 (10-07)

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL
For FY 2008**☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

0

Complete if Known

Application Number	10/079,334
Filing Date	February 20, 2002
First Named Inventor	Parthapratim De
Examiner Name	Jason M. Perilla
Art Unit	2611
Attorney Docket No.	I-2-0188.2US

METHOD OF PAYMENT (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):

☒ Deposit Account Deposit Account Number: 090435 Deposit Account Name: InterDigital Comm. Corp.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	310	155	510	255	210	105	
Design	210	105	100	50	130	65	
Plant	210	105	310	155	160	80	
Reissue	310	155	510	255	620	310	
Provisional	210	105	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25

Each independent claim over 3 (including Reissues)

210	105
-----	-----

Multiple dependent claims

370	185
-----	-----

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	=	0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=	0

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

Other (e.g., late filing surcharge):

SUBMITTED BY

Signature

Registration No.
(Attorney/Agent) 29,662

Telephone 215-568-6400

Name (Print/Type) C. Frederick Koenig III

Date January 28, 2008

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JAN 28 2008

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

De et al.

Application No.: 10/079,334**Confirmation No.:** 1399**Filed:** February 20, 2002**For:** FAST JOINT DETECTION USER
EQUIPMENT**Group:** 2611**Examiner:** Jason M. Perilla**Our File:** I-2-0188.2US**Date:** January 28, 2008**PETITION FOR WITHDRAWAL OF ABANDONMENT UNDER
37 CFR § 1.181 DUE TO NON-RECEIPT OF NOTICE OF ALLOWANCE**


Mail Stop Technology Center 2611
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.181, Applicants respectfully requests that the Abandonment of the above-identified patent application for failure to pay the issue fee be withdrawn and the Notice of Allowance be reissued. Applicant did not receive the Notice of Allowance for this application. The requisite Statement with attached Exhibits per MPEP 711.03(c) is submitted herewith.

Respectfully submitted,

De et al.

By 
C. Frederick Koenig III
Registration No. 29,662

Volpe and Koenig, P.C.
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30 South 17th Street
Philadelphia, PA 19103
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Facsimile: (215) 568-6499

CFK/lhe

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

De et al.

Application No.: 10/079,334

Confirmation No.: 1399

Filed: February 20, 2002

For: FAST JOINT DETECTION USER
EQUIPMENT

Group: 2611

Examiner: Jason M. Perilla

Our File: I-2-0188.2US

Date: January 28, 2008

**STATEMENT IN SUPPORT OF PETITION FOR WITHDRAWAL
OF ABANDONMENT UNDER 37 CFR § 1.181 DUE TO NON-RECEIPT OF
NOTICE OF ALLOWANCE**

Mail Stop Technology Center 2611
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants' undersigned attorney makes the following statement of facts in support of Applicants' PETITION FOR WITHDRAWAL OF ABANDONMENT UNDER 37 CFR § 1.181 DUE TO NON-RECEIPT OF NOTICE OF ALLOWANCE filed herewith:

1. I, C. Frederick Koenig III am a registered patent attorney and am the representative of applicants who has been conducting the prosecution of this application.

Applicant: De et al.
Application No.: 10/079,334

2. I have conducted a personal search of the file jacket and physical file we maintain for **Application No.: 10/079,334** which is identified by our firm Docket Number: **I-2-0188.2US** and have not found the Notice of Allowance for this case that was presumably mailed by the USPTO and I have found no evidence of any kind to indicate that the missing Notice of Allowance was ever received by our firm.

3. Our firm uses the PATTSY docketing system for patent matters and all mail from the U.S. Patent and Trademark Office (USPTO) is first directed to our docketing department for the entry of appropriate docket entries, before it is otherwise distributed within the firm. This includes the initial review and docketing of all Official Actions and Notices of Allowances from the USPTO by our docketing department.

4. Attached as Exhibit 'A' hereto is a true and correct copy of our firm's docket records for **Application No.: 10/079,334** which is identified by our firm Docket Number: **I-2-0188.2US** and includes the Serial Number, Title, filing date and continuation data of the application along with specific docket entries for each event in the history of this application.

5. As reflected in the "RE RESPONSE TO OA" entry on the second page of the attached docket entries, Exhibit A, the May 1, 2007 Office Action was received at our offices which is the official correspondence address for this application.

Applicant: De et al.
Application No.: 10/079,334

6. That "RE RESPONSE TO OA" entry also reflects the Reply to the May 1, 2007 Office Action that I had prepared and filed on July 27, 2007.

7. In connection with docketing the filing of the Reply on July 27, 2007 in the "RE RESPONSE TO OA" entry, a "F5 FU RESP FILED" entry was made for a six-month follow-up with a base date of "7/27/2007" and a follow up action date of "1/27/2008" as also reflected on the second page of the attached docket entries, Exhibit A. This 6-month follow up procedure is in accordance with USPTO guidelines.

8. We received no further correspondence from the USPTO related to this matter until January 8, 2008 when we received the Notice of Abandonment dated January 2, 2008, copy attached as Exhibit B hereto.

9. When the Notice of Abandonment was received, the F5 FU RESP FILED follow up entry was indicated as completed by the entry of the Notice of Abandonment date "1/2/2008" into the response column of the F5 FU RESP FILED entry.

10. If an interim Notice of Allowance or any other Action from the USPTO had been received, the date of such other action would have been entered as the response date for the F5 FU RESP FILED entry and an appropriate docket entry for the Notice of Allowance or such other Action from the USPTO would have been made.

Applicant: De et al.
Application No.: 10/079,334

11. Two interim "I2" entries were in fact made that are listed between the RE RESPONSE TO OA and F5 FU RESP FILED entries. These "I2" entries related to the docketing of a potential Supplemental Information Disclosure Statement due to the receipt of an Action in a corresponding Korean Application date August 2, 2007, copy attached as Exhibit C.

12. The response date for those "I2" entries is blank since, no Supplemental Information Disclosure Statement was filed, because the Korean Action did not identify any prior art, but only pertained to formalistic matters. See Exhibit C.

13. The fact that other related interim docket entries were made evidences the reliability of the firm's docketing system and is further evidence that the Notice of Allowance was not received for this application, since it would have been docketed.

14. There has been no change of the correspondence address for this application and our office has remained at the same address during all relevant periods of time.

15. Both the May 1, 2007 Office Action and January 2, 2008 Notice of Abandonment which were mailed by the USPTO were received at our office at the same address and duly docketed.

16. Since these mailings bracketed the mailing of the Notice of Allowance, the only reasonable explanation of why the Notice of Allowance was not entered on our docket is that it was never received by our office.

JAN 28 2008


Applicant: De et al.
Application No.: 10/079,384

17. I have been warned that willful false statements and the like are punishable by fine or imprisonment, or both (18 U.S.C. 1001) and may jeopardize the validity of the application or any patent issuing thereon.

I hereby certify, under penalty of perjury, that all the facts set forth in this petition are true and correct, except those facts stated upon information and belief, and as to those fact, I believe them as true.

Respectfully submitted,

De et al.

By 
C. Frederick Koenig III
Registration No. 29,662

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103
Telephone: (215) 568-6400
Facsimile: (215) 568-6499

CFK/KSV/lhe

Attachments: Exhibits A, B and C

VOLPE#		I-2-0188.2US		PRINTED ON: 1/22/2008		
COUNTRY	US	UNITED STATES	TITLE		PRIOR	4/30/2001
NEW/CON	CON	SERIAL#	10/079,334	FAST JOINT DETECTION USER EQUIPMENT	MAIL	2/20/2002
RELATED	I-2-0188.1US	PATENT#			FILE	2/20/2002
TYPE	UTL	STATUS	PUBLISHED		PUBL	2/6/2003
CLIENT	I	InterDigital Communications Corporation	1	CREF	ISSUE	
AGENT				AREF	1ST	12/31/2001
					EXP	12/31/2021

ID	O	ACTION	BASE	DUE IN	DUE	EXTNS	FINAL	EXT	RESPONSE	CALL UP	1	2	P
PC	N	FU POST CARD - APPLN	2/20/2002	1M	3/20/2002		3/20/2002	0	3/11/2002	0M	Y	Y	Y
FO	N	FOREIGN FILING DUE	4/30/2001	12M	4/30/2002		4/30/2002	0	4/26/2002	3M	Y	Y	Y
CF	N	REQ FOR CORR FIL REC	4/8/2002	60D	6/7/2002		6/7/2002	0	6/24/2002	0M	Y	Y	Y
DS	N	INF DISCLOSURE STMT	2/20/2002	4M	6/20/2002		6/20/2002	0	6/24/2002	0M	Y	Y	Y
FS	N	FILG RCPT STATUS CHK	2/20/2002	6M	8/20/2002		8/20/2002	0	4/8/2002	0M	Y	Y	Y
I2	N	SIDS PTE	8/2/2002	1M	9/2/2002		9/2/2002	0	8/30/2002	1M	Y	Y	Y
I-2-0188.1WO Search report													
I2	N	SIDS	8/2/2002	3M	11/2/2002		11/2/2002	0	8/30/2002	1M	Y	Y	Y
SC	N	STATUS CHECK	2/20/2002	12M	2/20/2003		2/20/2003	0	2/25/2003	1M	Y	Y	Y
PU	N	PUBLICATION	4/30/2001	22M	2/28/2003		2/28/2003	0	2/25/2003	1M	Y	Y	Y
PW	N	REPORT PUB TO CLIENT	2/25/2003	14D	3/11/2003		3/11/2003	0	3/14/2003	1M	Y	Y	Y
AN	N	AMEND PUBLICATION	2/6/2003	2M	4/6/2003		4/6/2003	0	4/6/2003	1M	Y	Y	Y
SC	N	STATUS CHECK	2/25/2003	8M	10/25/2003		10/25/2003	0	10/29/2003	1M	Y	Y	Y
SC	N	STATUS CHECK	10/29/2003	7M	5/29/2004		5/29/2004	0	6/2/2004	1M	Y	Y	Y
I2	N	SIDS-PTE	10/26/2004	30D	11/25/2004		11/25/2004	0	11/15/2004	1M	Y	Y	Y
I-2-0188.1EP SEARCH REPORT													
SC	N	STATUS CHECK	6/2/2004	6M	12/2/2004		12/2/2004	0	1/25/2005	1M	Y	Y	Y
I2	N	SIDS	10/26/2004	3M	1/26/2005		1/26/2005	0	11/15/2004	1M	Y	Y	Y
SC	N	FU STATUS REQUEST	1/25/2005	6M	7/25/2005		7/25/2005	0	7/25/2005	1M	Y	Y	Y
SC	N	STAT CHECK/FU OA	7/18/2005	7M	2/18/2006		2/18/2006	0	9/12/2005	1M	Y	Y	Y
Per PTO Communication dated 7/18/05, OA should be approx 7 months from mail date													
SC	N	STATUS CHECK	9/7/2005	6M	3/7/2006		3/7/2006	0	3/9/2006	1M	Y	Y	Y
D2	Y	DRWGS ACCEPTE EXAMER	6/15/2006										
SC	N	STATUS CHECK	3/9/2006	4M	7/9/2006		7/9/2006	0	6/19/2006	1M	Y	Y	Y
SW	N	6 WEEK REMINDER - OA	6/15/2006	42D	7/27/2006		7/27/2006	0	7/27/2006	2M	Y	Y	Y
TD	Y	TERMINAL DISCLAIMER	8/24/2006										
RE	N	RESPONSE TO OA	6/15/2006	3M	9/15/2006	31	12/15/2006	0	8/24/2006	3M	Y	Y	Y
I2	N	SIDS? 0188.1JP OA	9/15/2006	0M	9/15/2006		9/15/2006	0	9/19/2006				
SC	N	STATUS CHECK	8/24/2006	3M	11/24/2006		11/24/2006	0	10/18/2006				
SW	N	6 WEEK REMINDER - OA	11/27/2006	42D	1/8/2007		1/8/2007	0	1/8/2007				

PENDING 800-631-0888

EXHIBIT

A

SC	N	STATUS CHECK	10/16/2006	3M	1/16/2007		1/16/2007	0	12/4/2006	1M	Y	Y	Y
RE	N	RESPONSE TO OA	11/27/2006	3M	2/27/2007	31	5/27/2007	0	2/8/2007	3M	Y	Y	Y
TD	Y	TERMINAL DISCLAIMER	4/4/2007										
I2	Y	SIDS FROM ORG DISCR	4/4/2007										
D2	Y	DRWGS ACCEPTD EXAMER	5/1/2007										
SW	N	6 WEEK REMINDER - OA	5/1/2007	42D	6/12/2007		6/12/2007	0	6/12/2007	2M	Y	Y	Y
RE	N	RESPONSE TO OA	5/1/2007	3M	8/1/2007	31	11/1/2007	0	7/27/2007	3M	Y	Y	Y
SC	N	STATUS CHECK	2/8/2007	6M	8/8/2007		8/8/2007	0	5/4/2007	1M	Y	Y	Y
I2	N	SIDSPTE?188.1KR.2 OA	8/20/2007	30D	9/19/2007		9/19/2007	0		1M	Y	Y	Y
I2	N	SIDS?188.1KR.2 OA	8/2/2007	3M	11/2/2007		11/2/2007	0		1M	Y	Y	Y
	Y	NOT OF ABANDONMENT	1/2/2008										
F5	N	FU RESP FILED	7/27/2007	6M	1/27/2008		1/27/2008	0	1/2/2008	1M	Y	Y	Y
IC	N	FILE CONTINUATION	1/2/2008	2M	3/2/2008		3/2/2008	0		1M	Y	Y	Y
PE	N	PETITION TO REVIVE	1/2/2008	2M	3/2/2008		3/2/2008	0		1M	Y	Y	Y
IF	N	ISSUE FEE	1/2/2008	2M	3/2/2008		3/2/2008	0		1M	Y	Y	Y

INVENTORS

De, Parthapratim

Zeira, Ariela

Pan, Jung-Lin

ASSIGNEES

InterDigital Technology Corporation

TERMS

Nokia

PRIOR APPLICATIONS

REFERENCE#	CNTRY	SERIAL#	FILED	TITLE / DESCRIPTION	TYPE
I-2-0188.1US	US	10/037,710	12/31/2001	FAST JOINT DETECTION	APPL

USER-DEFINABLE FIELDS

RANK #	3
LOC	

PATENT FIELDS

SMALL ENTITY	no	PUBL #	US 2003-0026236 A1
IND CLAIMS		ART UNIT	
TOTAL CLAIMS		CONFIRM#	1399
		EXAMINER	

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UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/079,334	02/20/2002	Parthapratim De	I-2-188.2US	1399

EXAMINER	
PERILLA, JASON M	

ART UNIT	PAPER NUMBER
2611	

MAIL DATE	DELIVERY MODE
01/02/2008	PAPER

7590 01/02/2008
VOLPE AND KOENIG, P.C.
DEPT. ICC
UNITED PLAZA, SUITE 1600
30 SOUTH 17TH STREET
PHILADELPHIA, PA 19103

Notice of Abandonment

This application is abandoned in view of:

- ☐ The applicant's failure to timely file a proper reply to the Office letter mailed on _____.
 - ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the period for reply (including a total extension of _____ month(s)) which expired on _____.
 - ☐ A proposed reply was received on _____, but it does not constitute a proper reply under 37 CFR 1.113(a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of:
 - a timely filed amendment which places the application in condition for allowance;
 - a timely filed Notice of Appeal (with appeal fee);
 - a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
 - ☐ A reply was received on _____ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box e below).
 - ☐ No reply has been received.
- ☒ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - ☐ The submitted fee of \$_____ is insufficient. A balance of \$_____ is due.
The issue fee required by 37 CFR 1.18 is \$_____.
The publication fee, if required by 37 CFR 1.18(d), is \$_____.
 - ☒ The issue fee and publication fee, if applicable, has not been received.
- ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - ☐ No corrected drawing have been received.
- ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
- ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
- ☐ The decision by the Board of Patent Appeals and Interference rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.
- ☐ The reason(s) below:

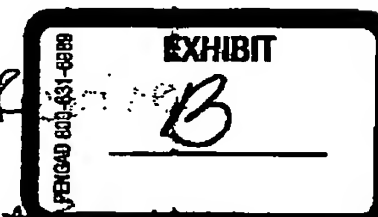
Petitions to revive under 37 CFR 1.137(a) or (b), or request to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

Telephone inquiries should be directed to the Office of Data Management at (571) 272-4200.

Patent Publication Branch
Office of Data Management

DOCKETED FOR

3/2/08 Petition to
Issue Fee
File



FORM PTO-ABNO (Rev. 02/07)

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Attachment to Notice of Abandonment**For questions concerning the notice contact
Office of Patent Publication****Image Assistance Center: 888-786-0101.**Information is also available on the USPTO Internet web site:
<http://www.uspto.gov/web/patents/pubs/abandonnotice.html>**Respond to the Notice of Abandonment by one of the following:**

1. **Petition To Withdraw Holding of Abandonment (See MPEP 711.03(c) I and 37 CFR § 1.181) No fee required**

Where an applicant contends that the application is not in fact abandoned (e.g., a reply was in fact filed), a petition under 37 CFR § 1.181(a) requesting withdrawal of the holding of abandonment is the appropriate course of action. Any petition under 37 CFR § 1.181 to withdraw the holding of abandonment not filed within 2 months of the mail date of a Notice of Abandonment may be dismissed as untimely under 37 CFR § 1.181(f). In order for a petition to be granted, the evidence must be sufficient according to 37 CFR § 1.8(b) Certificate of Mailing; 37 CFR § 1.10 "Express Mail" mailing; or MPEP 503 Postcard Receipt as Prima Facie Evidence. The petition should be addressed as follows:

By mail: Mail Stop: Issue Fee, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450
By facsimile: 571-273-8300

2. **Petition To Withdraw Holding Of Abandonment Based On Failure To Receive Office Action (MPEP 711.03(c) II and 37 CFR § 1.181). No fee required**

Where an applicant contends that the original Notice of Allowance and Fee(s) Due was never received, if adequately supported, the Office may grant the petition and remail the Office action. The showing required establishing non-receipt of an Office communication must include a statement from the practitioner stating that the Office communication was not received and attesting to the fact that a search of the file jacket and docket records indicates that the Office communication was not received. A copy of the docket record where the nonreceived Office would have been entered had it been received and docketed must be attached to and referenced in practitioner's statement.

Petition should be addressed to the Technology Center handling the application as follows:

By mail: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450
By facsimile: 571-273-8300

3. **Petition To Revive An Abandoned Application (See MPEP 711.03(c) III)**

Where there is no dispute as to whether an application is abandoned (e.g., the applicant's contentions merely involve the cause of abandonment) a petition under 37 CFR § 1.137 (a) or (b) (accompanied by the appropriate petition fee) is necessary to revive the abandoned application. The text of these rules is available on the USPTO Internet Web site. Forms for these petitions, "Petition For Revival Of An Application For Patent Abandoned Unavoidably Under 37 CFR § 1.137(a)," PTO/SB/61, and "Petition For Revival Of An Application For Patent Abandoned Unintentionally Under 37 CFR 1.137(b)," PTO/SB/64, are available in the forms section of the USPTO website: <http://www.uspto.gov>.

Petitions under 37 CFR § 1.137 should be addressed to the Office of Petitions as follows:

By mail: Mail Stop Petition, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450
By facsimile: 571-273-8300

Note: Abandonment takes place by operation of law for failure to reply to an Office action or timely pay the issue fee, not by operation of the mailing of a Notice of Abandonment

Revised Sept. 2006

Lee International
IP & LAW GROUP

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AUG 22 2007

VOLPE & KOENIG, P.C.

(Translation)

Delivery No.: 9-5-2007-042625259
Delivery Date: August 2, 2007
Response Deadline: October 2, 2007

NOTICE REQUESTING SUBMISSION OF OPINION

Applicant(s): InterDigital Technology Corporation
(Applicant's Code: 519987163884)
3411 Silverside Road, Concord Plaza, Suite 105
Hagley Building, Wilmington, DE 19810, U. S. A.

Attorney(s) for Applicant(s): Lee International
Kukdong Bldg. 14th Floor, Chungmuro 3-ka
Chung-ku, Seoul 100-705, KOREA

Inventor(s): DE, Parthaprantim; PAN, Jung-Lin; ZEIRA,
Ariela

Case: Patent Application No. 10-2007-7011685

Title: FAST JOINT DETECTION

As the above-identified application, upon examination, has been rejected on the following grounds, this Notice is hereby made pursuant to Article 63 of the Patent Act. If the applicant should have any arguments or would like to make an amendment to the application, the applicant may submit such arguments [Annexed Form No. 24 to the Administrative Regulations under the Patent Act] and/or amendment [Annexed Form No. 9 to the Administrative Regulations under the Patent Act] to this Office by the response deadline noted above. (This deadline may be extended upon request on a monthly basis; however, there shall be no official notification regarding the approval of any extension.)

RESULT OF EXAMINATION

Claims Examined: Claims 1 through 17
Rejection and Basis of Rejection

No.	Rejection	Basis of Rejection
1	Claims 1, and 3 through 17	Article 42(4)(ii) of the Patent Act (Defective Recitations in the Claims)
2	Claims 8 and 9	Article 42(5) of the Patent Act and Article 5 Implementing Decree of the Patent Act (Improper Multiple Dependency)



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GROUND I

Claims 1, and 3 through 17 of the present application are defective in view of the reasons set forth in the Remarks below. Thus, the claimed invention cannot be patented under Article 42(4)(ii) of the Patent Act.

REMARKS

1. The limitation, "transmit... over a shared spectrum," in Claim 1 is unclear. Further, the limitation, "received signal detecting algorithm," is unclear.
2. The limitation, "the data field time period," in Claim 5 is unclear.
3. The limitation, "length of the impulse response," in Claim 6 is unclear.
4. Because Claim 10 simply recites "using a received signal detecting algorithm," it is unclear which algorithm is indicated by the "received signal detecting algorithm."
5. The limitation, "the data determining," in Claim 13 is unclear.
6. The limitation, "length of the impulse response," in Claim 14 is unclear.
7. For the same reason as stated for Claim 1, dependent Claims 3 through 9 are not found to clearly define the invention.
8. For the same reason as stated for Claim 10, dependent Claims 11 through 17 are not found to clearly define the invention.

GROUND II

Claims 8 and 9 of the present application are defective in view of the reason set forth in the Remarks below. Accordingly, the claimed invention cannot be patented under Article 42(5) of the old Patent Act (prior to the revisions to Law No. 8197 on January 3, 2007) and Article 5(6) of the Implementing Decree of the Patent Act.

REMARKS

Claims 8 and 9 depend from Claims 3, 4, and 5 depending from two or more claims. Accordingly, Claims 8 and 9 violate the claim drafting rule providing that a claim depending from two or more claims cannot depend from another claim depending from two or more claims.

This 2nd day of August, 2007

Patent Examiner (seal)
Telecommunications Examination Division
Information and Communications Examination Bureau
Korean Intellectual Property Office

발송번호: 9-5-2007-042625259

발송일자: 2007.08.02

제출기일: 2007.10.02

수신 서울시 중구 충무로3가 60-1 극동빌딩 14

층(리인터내셔널특허법률사무소)

송송필

100-705

NOTICE REQUESTING SUBMISSION OF OPINION

YOUR INVENTION PARTNER

특 허 청

의견제출통지서

출 원 인 명 칭 인터디지털 테크놀로지 코퍼레이션 (출원인코드 519987163884)

주 소 미국 델라웨어 19810 월밍턴 실버사이드 로드 3411 콩코드
플라자 스위트 105 해글리 빌딩

대 리 인 명 칭 송송필 외 1 명

주 소 서울시 중구 충무로3가 60-1 극동빌딩
14층(리인터내셔널특허법률사무소).

발 명 자 성 명 데 파더프렌덤

주 소 미국 뉴욕주 11803 플레인뷰 서밋 코트 36

발 명 자 성 명 판 중-린

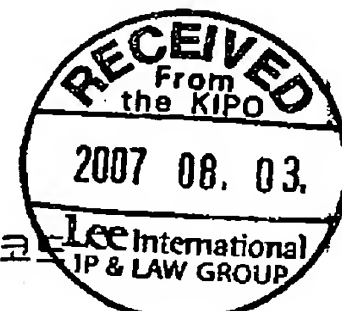
주 소 미국 뉴욕주 11784 셀던 코트 스트리트 15

발 명 자 성 명 제이라 아리엘라

주 소 미국 뉴욕주 11743 헌팅톤 웨스트 네크 로드 239

출 원 번 호 10-2007-7011685

발 명 의 명 칭 고속 결합 검출 방법 및 수신기



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VOLPE & KOENIG, P.C

이 출원에 대한 심사결과 아래와 같은 거절이유가 있어 특허법 제83조의 규정에 의하여 이를 동지하오니 의견이 있거나 보정이 필요할 경우에는 상기 제출기일까지 의견(답변, 소명)서[특허법시행규칙 별지 제24호 서식] 또는/및 보정서[특허법시행규칙 별지 제9호 서식]를 제출하여 주시기 바랍니다.(상기 제출기일에 대하여 매회 1월 단위로 연장을 신청할 수 있으며, 이 신청에 대하여 별도의 기간연장승인통지는 하지 않습니다.)

[심사결과]

☐ 심사 대상 청구항 : 제1-17항

☐ 이 출원의 거절이유가 있는 부분과 관련 법조항

순번	거절이유가 있는 부분	관련 법조항
1	청구항 제1항, 제3항 내지 제17항	특허법 제42조제4항제2호
2	청구항 제8항 내지 제9항	특허법 제42조제5항 및 동법시행령 제5조제6항

☐ 특 허 가 능 한 청 구 항 : 제2항

※ 위 특허 가능한 청구항은 의견제출통지시점에서의 심사의견이며 추후 변경될 수 있습니다. 이 출원이 특허결정을 받기 위해서는 이 출원에 대해 지적된 거절이유가 모두 해소되어야 합니다.

[구체적인 거절이유]

1. 이 출원은 특허청구범위 청구항 제1항, 제3항 내지 제17항의 기재가 아래에 지적한 바와 같이 불비하여 특허법 제42조제4항제2호의 규정에 의한 요건을 충족하지 못하므로 특허를 받을 수 없습니다.

- 아 래 -

- 본원 청구항 제1항에는 공유 스펙트럼을 상으로 송신되는 이라고 기재되어 있으나, 상으로 송신된다는 것이 무엇을 의미하는지 알 수 없고; 또한, 상기 수신 신호 검출 알고리즘이 기재되어 있으나 상기 수신 신호 검출 알고리즘이 무엇을 지시하는지 불명확하고,
- 본원 청구항 제5항에는 상기 데이터 필드 시간 주기가 기재되어 있으나, 상기 데이터 필드 시간 주기가 무엇을 지시하는지 불명확하고,
- 본원 청구항 제6항에는 상기 임펄스 응답 길이가 기재되어 있으나, 상기 임펄스 응답 길이가 무엇을 지시하는지 불명확하고,
- 본원 청구항 제10항에서 단순히 수신 신호 검출 알고리즘을 사용하라고만 기재되어 있어서, 상기 수신 신호 검출 알고리즘이 구체적으로 어떠한 알고리즘인지 알 수 없고,
- 본원 청구항 제13항에는 상기 데이터 결정이 기재되어 있으나, 상기 데이터 결정이 무엇을 지시하는지 불명확하며, 또한, 상기 데이터 필드 시간 주기가 기재되어 있으나, 상기 데이터 필드 시간 주기가 무엇을 지시하는지 불명확하고,
- 본원 청구항 제14항에는 상기 임펄스 응답 길이가 기재되어 있으나, 상기 임펄스 응답 길이가 무엇을 지시하는지 불명확하고,
- 본원 청구항 제3항-제9항은 제1항의 종속항이므로 상기 거절이유와 동일한 이유로 그 발명이 명확하게 기재된 것으로 볼 수 없고,
- 본원 청구항 제11항-제17항은 제10항의 종속으로 상기 거절이유와 동일한 이유로 그 발명이 명확하게 기재된 것으로 볼 수 없습니다.

2. 이 출원은 특허청구범위 청구항 제8항 내지 제9항의 기재가 아래에 지적한 바와 같이 불비하여 구 특허법 제42조제5항(2007.1.3. 법률 제8197호로 개정되기 전의 것) 및 동법시행령 제5조제6항의 규정에 의한 요건을 충족하지 못하므로 특허를 받을 수 없습니다.

- 아 래 -

- 본원 청구항 제8항, 제9항은 2 이상의 항을 인용하고 있는 제3항, 제4항, 제5항을 인용하고 있으므로 20이상의 항을 인용하는 청구항에서 그 청구항의 인용된 항은 다시 20이상의 항을 인용하는 방식을 사용하여서는 아니된다라는 청구범위 기재방법에 위배됩니다. 끝.

특허청

2007.08.02
정보통신심사본부
통신심사팀

심사관

강희국



<< 안내 >>

귀하께서는 특허법 제47조 제2항의 규정에 의하여 특허출원서에 최초로 첨부된 명세서 또는 도면에 기재된 사항의 범위 안에서 명세서 또는 도면을 보정할 수 있음을 알려드립니다.

(참고 : 최후거절이유통지 후 및 특허거절결정에 대한 심판 청구시의 보정은 상기 요건보다 더 엄격한 기준이 적용됨을 알려드립니다)

※ 다만, 2001년 7월 1일 전에 제출된 특허출원의 경우에는 구 특허법(2001.2.3. 법률 제6411호로 개정되기 전의 것) 제47조 제2항의 규정에 의하여 특허출원서에 최초로 첨부된 명세서 또는 도면의 요지를 변경하지 아니하는 범위 안에서 명세서 또는 도면을 보정할 수 있습니다.

※ 보정료 납부안내

- 명세서 또는 도면을 보정하기 위하여 명세서등 보정서를 전자문서로 제출할 경우 매건 3,000원, 서면으로 제출할 경우 매건 13,000원의 보정료를 납부하여야 합니다.

- 보정료는 접수번호를 부여받아 이를 납부자번호로 "특허료등의 징수규칙" 별지 제1호서식에 기재하여, 접수번호를 부여받은 날의 다음 날까지 납부하여야 합니다. 다만, 납부일이 공휴일(토요일·휴무일을 포함한다)에 해당하는 경우에는 그날 이후의 첫 번째 근무일까지 납부하여야 합니다.

- 보정료는 국고수납은행(대부분의 시중은행)에 납부하거나, 인터넷지로(www.giro.or.kr)로 납부할 수 있습니다. 다만, 보정서를 우편으로 제출하는 경우에는 보정료에 상응하는 통상환을 동봉하여 제출하시면 특허청에서 납부해드립니다.

※ 서식 또는 절차에 대하여는 특허고객 콜센터(☎1544-8080)로 문의하시기 바라며, 기타 문의사항이 있으시면 ☎042)481-8264(담당심사관 강희국)로 문의하시기 바랍니다.

※ 우 302-701 대전광역시 서구 선사로 139(둔산동 920) 정부대전청사 특허청